



Town Council Agenda Report

SUBJECT: Street Vendors

CONTACT PERSON/NUMBER: Barry Webber (954) 587-3058

TITLE OF AGENDA ITEM: not applicable

REPORT IN BRIEF: Council has mentioned its concern with vendors who are operating in areas that impede traffic safety and pose a safety hazard. It is being recommended that a consultant be hired to investigate vending activity in the Town, surrounding municipalities, Broward County and the State of Florida and to prepare a traffic and safety study of the effect, if any, of the vendors/peddlers in and around roadways in the Town. The study would include an analysis of the Town's proposed regulations for street vendors. The consultant, Ralph Aronberg, is a registered professional engineer and was employed with the Florida Department of Transportation Traffic Operations Division and the Broward County Transportation Department. The study forms an important part of the Town's legislative history for this matter, as a legal challenge to any regulations in the area is anticipated.

PREVIOUS ACTIONS: not applicable

CONCURRENCES: not applicable

FISCAL IMPACT:

Has request been budgeted? no

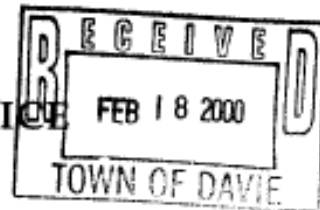
If no, amount needed \$5,000.00 plus expert witness and testimony fees

What account will funds be appropriated from: Council Miscellaneous Fees

RECOMMENDATION(S): Motion to approve the hiring of Aronberg and Associates Consulting Engineers, Inc.

Attachment(s): Memorandum from Barry Webber, Curriculum Vitae

TOWN ATTORNEY'S OFFICE
TOWN OF DAVIE, FLORIDA
4430 S.W. 64th Avenue
Davie, Florida 33314
(954) 587-3058



Barry S. Webber
Town Attorney

Jon A. Hinden
Asst. Town Attorney

MEMORANDUM

DATE: February 16, 2000
TO: Robert Middaugh, Town Administrator
FROM: Barry S. Webber, Town Attorney
RE: Street Vendors

My office has interviewed Aronberg and Associates Consulting Engineers, Inc. with regard to performance of a study to support the Town's proposed street vendor regulations. In general, the study would consist of the investigation of the general history of peddling activity in the Town of Davie, the surrounding municipalities, Broward County and the State of Florida. They would then identify and visit the areas of the Town with peddling activity and would then prepare a traffic and safety study regarding the effects of peddlers in and around the roadways.

Mr. Aronberg proposes to perform these services for the Town at a cost of \$5,000.00 which would cover expenses through the tendering of the report. This fee would not include any additional services such as expert witness fees in the event this matter is litigated or any additional action or testimony which may be required of Mr. Aronberg on behalf of the Town.

I am enclosing a copy of his resume. Prior to founding his engineering firm, Mr. Aronberg was employed as an engineer with the Florida Department of Transportation, Traffic Operations Division and the Broward County Transportation Department. During his course of such employment, he participated in traffic and safety studies. I believe Mr. Aronberg is well qualified to perform the services required by the Town and I would recommend that the Town retain his services for this purpose.

Please contact me after you have had an opportunity to review the enclosure.

BSW/er
Enclosure

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CURRICULUM VITAE

RALPH ARONBERG, P.E.
President

Aronberg and Associates Consulting Engineers, Inc.
13730 State Road 84, Suite 305
Fort Lauderdale, Florida 33325-5304
(954) 236-6605

RESPONSIBILITIES: (Since founding firm in 1983)

Traffic accident reconstruction and expert witness service for private parties, insurance companies and governmental agencies. Expert witness services provided in the areas of:

- ▶ Traffic accident reconstruction (cars, trucks, motorcycles and pedestrians).
- ▶ Vehicle occupant kinematics (seatbelts).
- ▶ Biomechanics.
- ▶ Traffic engineering design (geometrics, signing, markings, signals and lighting).
- ▶ Sight distance analysis.
- ▶ Traffic impacts.
- ▶ Hazardous roadway conditions.
- ▶ Work Zone Traffic Control evaluation.
- ▶ Evaluation of roadway curvature.
- ▶ Traffic signal operations.
- ▶ Pedestrian safety.
- ▶ Computerized accident reconstruction and simulation.

All avenues of transportation and traffic studies, planning, design and analysis.

Coordination and management of full service land development projects, Development of Regional Impact studies and Traffic Action Plans.

PROFESSIONAL REGISTRATION:

Registered Professional Engineer with the Florida Department of Professional Regulation.

OTHER FIRM ACTIVITIES:

- 3-D Computer Animations.
- Computer-aided Design, preparation of trial exhibit graphics.
- Coordination of aerial photography.
- Coordination of land surveying.
- Nighttime photography.
- Video photography.
- Illumination evaluation and analysis.
- Vehicular mechanical systems analysis.
- Slip/trip and fall analysis.

RALPH ARONBERG, P.E. - Curriculum Vitae **Page Two****PRIOR EXPERIENCE:**

Traffic Systems Engineer
September 1981 - November 1982

Mid South Engineering Company
Fort Lauderdale, Florida

Assistant Project Manager for development of the Broward County Computerized Traffic Signal System, which was a \$500,000 contract. Responsible for all related engineering services, including design work and timing plans for 250 traffic signals and master plan development for expansion to 1,500 traffic signals, utilizing all state-of-the-art aspects of Urban Traffic Control Systems (UTCS).

Project Manager for numerous traffic studies, including traffic impact studies, traffic signal justification studies, traffic systems operation studies and various transportation related engineering projects.

Engineer in charge of traffic signal, signing and pavement markings and roadway lighting plans on many large scale projects.

Expert witness on traffic accident cases.

Signal Design Engineer
March 1980 - September 1981

Broward County Transportation Dept.
Fort Lauderdale, Florida

Responsible for the design of Broward County traffic signals and preparation of construction contracts.

Design and development of timing plans for signal systems.

Review of consultant plans.

Meetings with local governments and special interest groups to discuss transportation needs, plans and impacts.

Engineer II
November 1978 - March 1980

Florida Department of Transportation
Traffic Operations Division
Fort Lauderdale, Florida

Responsible for conceptual design and justification reports based on accident analysis, capacity analysis and cost benefit studies for transportation improvement and traffic safety projects.

Design of signalization, signing and pavement marking plans.

RALPH ARONBERG, P.E. - Curriculum Vitae

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EDUCATION:

University of Virginia:

Bachelor of Science, Civil Engineering 1978, with graduate level courses in Traffic Engineering, Traffic Flow Theory and Urban Transportation.

University of Florida: (1979-1982)

Post-College Professional Traffic Engineering Enhancement Program, seminars on Traffic Safety Considerations, Traffic Operations Computer Models, Traffic Signal Control Systems, Traffic Signal Workshops and use of the Arterial Analysis Package.

Nova University: Fort Lauderdale, FL

Master of Science in Engineering Management, (1984), includes development of a traffic accident reconstruction computer program with graphic features, as part of course work.

The Traffic Institute, Northwestern University: (1984)

Roadway Resurfacing, Restoration and Rehabilitation workshop.

Accident Litigation Seminar: Orlando, FL (1984)

Forensics, Slip and Fall, Seatbelt Occupant Kinematics, Human Factors.

Institute of Transportation Engineers Educational Foundation: (1983-1989)

Seminar on Traffic Control Devices Handbook. Seminar on Trip Generation Manual. Seminar on Access and Site Circulation Design. Seminar on the Engineer as a Court Witness.

Stapp Car Crash Conferences:

1985 Twenty-Ninth, 1988 Thirty-Second, 1989 Thirty-Third, 1991 Thirty-Fifth, 1994 Thirty-Eighth.

Workshops on Human Subjects for Biomechanical Research: (1985, 1988, 1989, 1991, 1994).

Society of Automotive Engineers International Congresses: Detroit, MI

Each congress includes one week of seminars on state-of-the-art techniques in accident reconstruction and occupant kinematics. Attended in 1987, 1989, 1990, 1991, 1992, 1995, and 1997. Speaker in 1990 and 1992, presenting published papers.

Annual Conferences of the Association for the Advancement of Automotive Medicine: 1987 Thirty-First, 1989 Thirty-Third, 1997 Forty-First.

Florida Department of Transportation Project Managers Conference: (1987)

Symposium on Head Injury Mechanisms. An Angular Acceleration Criterion: Washington, DC (1989)

60th Annual Meeting of Institute of Transportation Engineers: (1990)

Featured speaker on Geometric Design, Traffic Safety Engineering.

Institute of Police Technology and Management: Jacksonville, FL

1990 and 1992 (as speaker) annual updates of "Special Problems in Traffic Accident Reconstruction". 1993 "Concept of Night Visibility for Traffic Accident Investigators".

Florida Institute of Consulting Engineers: (1990)

Work Zone Traffic Control.

University of California, San Diego: (1991)

Accidental Injury: Biomechanics & Prevention.

Society of Automotive Engineers: Phoenix, AZ (1992)

Vehicle Rollovers Workshop.

RALPH ARONBERG, P.E. - Curriculum Vitae

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Bob Bondurant School of High Performance Driving: Phoenix, AZ (1992)
Advanced Highway Driving.

Society of Automotive Engineers: Los Angeles, CA (1994)
Low Speed Rear Impact Collision Workshop.

Association for the Advancement of Automotive Medicine: Philadelphia, PA (1994)
Biomechanics of Impact and Current Occupant Restraint Issues.

Transportation Research Center, Inc. East Liberty, OH (1995)
Pole Side Impact Testing.
Heavy Vehicle Braking Performance Seminar.
Truck and Bus Emergency Braking Testing.

Certificate of Continued Professional Development:
Current CCPD awarded by the Florida Engineering Society.

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES:

Florida Engineering Society - Past President of Broward Chapter.
Institute of Transportation Engineers - Serve on expert witness counsel.
Society of Automotive Engineers - Serve on Accident Investigation Practices, Standards of Practice Forum Group.
American Society of Civil Engineers
National Society of Professional Engineers
Association For the Advancement of Automotive Medicine
National Association of Professional Accident Reconstruction Specialists

PUBLICATIONS:

"Reconstruction of Automobile/Pedestrian Accidents Using CATAPULT" Society of Automotive Engineers Technical Paper #940924, contained within Accident Reconstruction: Technology and Animation IV.

Served on Society of Automotive Engineers Review Committee for 1993 Publication of Accident Reconstruction: Technology and Animation III.

"PC Based Accident Reconstruction Animation using Autodesk 3D Studio", Society of Automotive Engineers Technical Paper #920756, contained within Accident Reconstruction: Technology and Animation II.

"Airborne Trajectory Analysis Derivation for use in Accident Reconstruction", Society of Automotive Engineers Technical Paper #900367, contained within Accident Reconstruction: Human, Vehicle and Environmental Factors.

Motivating and Managing Engineers, American Society of Civil Engineers, Journal of Professional Issues in Engineering, January, 1985.

Served on Society of Automotive Engineers Review Committee for 1995 Publication of Accident Reconstruction: Technology and Animation V.

AWARDS:

Young Engineer Of The Year award received February 21, 1987 from the Broward Chapter of the Florida Engineering Society.